

FORM PTO-1449 (Rev. 2-32)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 97,008-X	Serial No. Unassigned
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		RECEIVED MAR 21 2002 GROUP 3600	
		Applicant: Copeland et al.	
		Filing Date: January 22, 2002	Group: 1745 Unassigned

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
BB	AA	4,298,571	11/3/81	DiFulvio et al.			
	AB	4,346,056	08/24/82	Sakurada			
	AC	4,844,868	07/04/89	Rokugawa			
	AD	4,919,887	4/24/90	Wakatake			
	AE	4,935,875	06/19/90	Shah et al.			
	AF	4,961,906	10/09/90	Andersen et al.			
	AG	4,985,206	01/15/91	Bowman et al.			
	AH	5,075,079	12/24/91	Kerr et al.			
BB	AI	5,180,606	01/19/93	Stokes et al.			

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes No
BB	BA	87/00086	1/15/87	PCT			
BB	BC	2 216 259	3/30/88	GB			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

BB	CA	Stark et al., An Automated Device of Immunocytochemistry, Journal of Immunological Methods, 1988, Elsevier, 107, pp.89-92.
EXAMINER		DATE CONSIDERED 10/28/02

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		RECEIVED		
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		Applicant: Copeland et al.	GROUP 3600	
		Filing Date: January 22, 2002	Group: 1743 Unassigned	

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriated
C	AJ	5,232,664	08/03/93	Krawzak et al.			
	AK	5,356,595	10/18/94	Kanamori et al.			
	AL	5,424,036	06/13/95	Ushikubo			
	AM	5,425,918	06/20/95	Healey et al.			
	AN	5,439,645	08/08/95	Saralegui et al.			
	AO	5,439,649	08/08/95	Tseung et al.			
	AP	5,645,114	07/08/97	Bogen et al.			
	AQ	5,654,200	08/05/97	Copeland et al.			
	AR	5,947,167	09/07/99	Bogen et al.			
	AS	6,193,933	02/27/01	Sasaki et al.			

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	DATE CONSIDERED
<i>Keith Rau</i>	10/28/02

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OCT 18 2002

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Substitute for form 1449A/PTO

Complete if Known

Application No.	10/054,535
Filing Date:	January 22, 2002
First Named Inventor	Copeland
Group Art Unit	3812 1413
Examiner Name	unassigned Ben

Sheet	1	of	5	Attorney Docket No.	97,008-X
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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Figures Appear
		Number	Kind Code ² (if known)			
0		3,219,416	A	Natelson	11-23-1965	
1		3,398,935	A	Livesey, et al.	8-27-1968	RECEIVED
1		3,574,064	A	Binnings, et al.	4-6-1971	OCT 31 2002
1		3,772,154	A	Isenberg et al.	11-13-1973	
1		3,853,092	A	Amos et al.	12-10-1974	GROUP 3600
1		3,854,703	A	Gibbs et al.	12-17-1974	
1		4,013,038	A	Rogers et al.	03-22-1977	RECEIVED
1		4,092,952	A	Wilkie et al.	06-06-1978	OCT 23 2002
1		4,113,437	A	Duff et al.	9-12-1978	
0		4,200,056	A	Johnson	4-29-1980	TC 1700

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
0		FR	2239167	A6	Ministere de L'Agriculture, Service Veterinaire	7-26-1973		
1		FR	2258122	A1	Etablissements Valois SA	12-9-1983		
1		WO	8503571	A1	William C. Hulette	8-15-1985		
1		WO	8802865	A1	Terence Weston	04-21-1988		
0								

Examiner Signature	<i>Mark Bix</i>	Date Considered	11/2/02
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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	2	of	5	Attorney Docket No.	97,008-X
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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. 1	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Figures Appear
		Number	Kind Code ² (if known)			
CB		4,200,607	A	Suzuki	4-29-1980	
/		4,245,967	A	Busselet	1-20-1981	
/		RE 30,730	A	Duff	9-1-1981	RECEIVED
		4,298,571	A	DiFulvio et al.	11-3-1981	OCT 21 2002
		4,406,547	A	Aihara	9-27-1983	
		4,447,395	A	Englar et al.	5-8-1984	GROUP 3600
		4,455,280	A	Shinohara et al.	6-19-1984	
		4,528,159	A	Liston	7-9-1985	
		4,567,748	A	Klass et al.	2-4-1986	
		4,585,622	A	Bowe et al.	4-29-1986	
		4,656,006	A	Assmann et al.	4-7-1987	
		4,664,526	A	Scheffler et al.	5-12-1987	RECEIVED
CB		4,681,741	A	Hanaway	7-21-1987	OCT 23 2002
CB		4,708,886	A	Nelson	11-24-1987	TC 1700

FOREIGN PATENT DOCUMENTS

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
Examiner Signature	<i>Melinda Ray</i>					Date Considered	<i>10/25/02</i>	

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Substitute for form 1449A/PTO				Complete if Known	
				Application No.	10/054,535
				Filing Date:	January 22, 2002
				First Named Inventor	Copeland
				Group Art Unit	-3612-1743
				Examiner Name	unassigned (Avy)
Sheet	3	of	5	Attorney Docket No.	97,008-X

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Figures Appear
		Number	Kind Code ² (if known)			
CS		4,764,342	A	Kelln et al.	8-16-1988	
		4,774,055	A	Wakatake et al.	9-27-1988	
		4,781,891	A	Galle et al.	11-1-1988	
		4,795,710	A	Muszak et al.	1-3-1989	RECEIVED
		4,815,978	A	Mazza et al.	3-28-1989	OCT 22 2002
		4,849,177	A	Jordan	7-18-1989	
		4,865,811	A	Newton et al.	9-12-1989	GROUP 3600
		4,900,513	A	Barker et al.	2-13-1990	
		4,919,887	A	Wakatake	4-24-1990	
		4,933,147	A	Hollar et al.	6-12-1990	RECEIVED
		4,943,415	A	Przybylowicz et al.	7-24-1990	OCT 23 2002
CL		4,965,049	A	Lillig et al.	10-23-1990	
CS		4,988,482	A	Weston	1-29-1991	TC 1700

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Figures Appear
		Office ³	Number ⁴			

Examiner Signature	<i>Kelli Avy</i>	Date Considered	<i>10/28/02</i>
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Substitute for form 1449A/PTO

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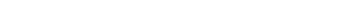
Sheet 4 of 5 Attorney Docket No. 97.008-X

Complete if Known

Application No.	10/054,535
Filing Date:	January 22, 2002
First Named Inventor	Copeland
Group Art Unit	3612 1743
Examiner Name	unassigned Ben
Attorney Docket No.	97-002-X

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

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Sheet	5	of	5	Application No.	10/054,535
				Filing Date:	January 22, 2002
				First Named Inventor	Copeland
				Group Art Unit	8612 1743
				Examiner Name	unassigned Bex
				Attorney Docket No.	97-008-X

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. 1	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
<i>Cs</i>		Catalog, "Fisher 86," Allied Fisher Scientific, pp. 93-99.	
		SAIKI et al., "Enzymatic Amplification of β -Globin Genomic Sequences and Restriction Site Analysis for Diagnosis of Sickle Cell Anemia," <i>Science</i> , 230:1350-1353, 20 December 1985.	
<i>J</i>		INNIS et al., "DNA sequencing with <i>Thermus aquaticus</i> DNA polymerase and direct sequencing of polymerase chain reaction-amplified DNA," <i>Proc. Natl. Acad. Sci. USA</i> , 85:9436-9440, December 1988.	
<i>A</i>		LINDEMANN et al., "Evaluation of the automation of immunoenzymatic procedures in a routine histo/cytopathological laboratory," <i>Histopathology</i> , 6:739-746, 1982.	

Examiner Signature Kutlu - Aya Date Considered 10/28/10

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TC 1700

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